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<b>Substitute for form 1449B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Compleat if Known</b>	
				Application Number	
				Filing Date	
				First Named Inventor <b>Venkatesan</b>	
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number <b>MS1-422USC1</b>	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
AD		CHANG et al., "RIME: A Replicated Image Detector for the World-Wide Web", 10 pages	
AD		MALVAR, "A Modulated Complex Lapped Transform and Its Applications to Audio Processing, " IEEE ICASSP'99, Phoenix, Arizona, March 1999, pp. 1-4	
AD		VENKATESAN, S.-M. Koon, M.H. Jakubowski and P. Moulin, "Robust Image Hashing," Cryptography Group, Microsoft Research, 3 pages.	

Examiner Signature <b>AWW Do</b>	Date Considered <b>7/19/06</b>
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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 2

**Complete if Known**

Application Number	10/628,751
Filing Date	7/28/2003
First Named Inventor	Ramarathnam Venkates
Art Unit	2624
Examiner Name	
Attorney Docket Number	MS1 0422USC1

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AD		US- 20020126872	9/12/2002	Brunk, Hugh L. et al	382/100
		US- 5,802,518	9/1/1998	Karaev, et al.	707/9
		US- 6,522,767	2/18/2003	Moskowitz, et al.	382/100
		US- 6532541	3/11/2003	Chang, et al.	713/176
		US- 6625295	9/23/2003	Wolfgang, et al.	382/100
		US- 6647128	11/11/2003	Rhoads	382/100
		US- 6674861	1/6/2004	Xu, et al.	380/252
		US- 6768809	7/27/2004	Rhoads, et al.	382/100
		US- 6799158	9/28/2004	Fischer, et al.	704/205
		US- 6839673	1/4/2005	Choi, et al.	704/273
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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AD		Lin et al., "A Robust Image Authentication Method Distinguishing JPEG Compression from Malicious Manipulation", IEEE Transactions, Feb. 2001, Volume 11, No. 2, pp. 153-168	
AD		Schneider et al., "A Robust Content Based Digital Signature for Image Authentication", Proceedings, International Conference, Sept. 1996, Vol. 3, pp. 227-230	

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Page 01 Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)	Complete if Known		
	Application Number		10/628,751
	Filing Date		Jul 28, 2003
	First Named Inventor		Venkatesan
	Group Art Unit		2624
	Examiner Name		
	Attorney Docket Number		MS1-422USC1
Sheet	1	of	3

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FOREIGN PATENT DOCUMENTS							
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		Office³	Number⁴				
AD			EP 0581317		Interactive Home Systems	02/02/1994	G07D 7/00
			EP 1 253 784		Microsoft Corporation	10/30/2002	H04N 7/50
			WO 01/11890		Macrovision Corporation	02/15/2001	H04N 7/26
			WO 01/28230		Koninklijke Philips Electronics	04/19/2001	H04N 1/32
			WO 02/37331		Microsoft Corporation	05/10/2002	G06F 17/30
AD			WO 99/18723		Macrovision Corporation	04/15/1999	H04N 5/413
			WO 99/60514		Mass. Inst. of Technology	11/25/1999	G06K 9/00

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		First Named Inventor	Venkatesan		
		Group Art Unit	2624		
		Examiner Name			
Sheet 2 of 3		Attorney Docket Number	MS1-422USC1		

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AD		Mihcak et al., "Watermarking via Optimization Algorithms for Quantizing Randomized Statistics of Image Regions" Proceedings of the Annual Allerton Conference on Communication Control and Computing Urbana IL 2002 10 pages.	1
		Moulin et al., "The Parallel-Gaussian Watermarking Game" IEEE Transactions Information Theory Feb. 2004 pages 1-36.	2
		Chen et al., "Quantization Index Modulation Methods for Digital Watermarking and Information Embedding of Multimedia" Journal of VLSI Signal Processing 27, 2001 pages 7-33.	3
		Mihcak et al., "New Iterative Geometric Methods for Robust Perceptual Image Hashing" Proceedings of the Security and Privacy Digital Rights Management Workshop 2001 9 pages.	4
		Kesal et al., "Iteratively Decodable Codes for Watermarking Applications" Proceedings of the Second Symposium on Turbo Codes and Their Applications France September 2000 4 pages.	5
		Venkatesan et al., "Image Watermarking with Better Resilience" Proceedings of IEEE-ICIP Vancouver BC Canada 2000 4 pages.	6
		Mihcak et al., "Cryptanalysis of Discrete-Sequence Spread Spectrum Watermarks" Proceedings of the Information Hiding Workshop Holland 2002 21 pages.	7
		Mihcak et al., "Blind Image Watermarking Via Derivation and Quantization of Robust Semi-Global Statistics" Proceedings of IEEE-ICASSP Orlando FL 2002 4 pages.	8
		Chen et al., "Achievable Performance of Digital Watermarking Systems" IEEE 1999 pages 13-18.	9
		Mihcak et al., "A Perceptual Audio Hashing Algorithm: A Tool For Robust Audio Identification and Information Hiding" Proceedings of the Information Hiding Workshop 2001 15 pages.	10
AD		Moulin et al., "A Framework for Evaluating the Data-Hiding Capacity of Image Sources" IEEE Transactions on Image Processing Vol. 11 No. 9 September 2002 pages 1-14.	11

Examiner Signature	ANS D6	Date Considered	7/19/06
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<b>Application Number</b>	10/628,751		
<b>Filing Date</b>	Jul 28, 2003		
<b>First Named Inventor</b>	Venkatesan		
<b>Group Art Unit</b>	2624		
<b>Examiner Name</b>			
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<b>Sheet</b>	3	<b>of</b>	3

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AD		Wu et al., "Video Access Control Via Multi-level Data Hiding" Proc. IEEE Int. Conf. on Multimedia and Expo Vol. I Jul/Aug 2000 pp 381-384.	
AD		Fridrich et al., "Robust Hash Functions for Digital Watermarking" Proc. Int. Conf. on Information Technology: Coding and Computing March 2000 pp 178-183.	
AD		Lee et al., "Adaptive Video Watermarking Using Motion Information" Proc SPIE Vol. 3971: Security and Watermarking of Multimedia Contents II Jan 2000 pp. 209-216.	
AD		Echizen et al., "General Quality Maintenance Module for Motion Picture Watermarking" IEEE Trans. on Consumer Electronics Vol. 45 No. 4. Nov 1999 pp1150-1158.	

<b>Examiner Signature</b>	Ans Do	<b>Date Considered</b>	7/19/06
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		10628751
	Filing Date		2003-07-28
	First Named Inventor	Ramarathnam Venkatesan	
	Art Unit	2624	
	Examiner Name		
	Attorney Docket Number	MS1-422USC1	

U.S. PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
AD	1	5210820		1993-05-11	Kenyon	764/250
	2	5535020		1996-07-09	Ulichney	358/3.13
	3	5899999		1999-05-04	De Bonet	707/104.1
	4	5915038		1999-06-22	Abdel-Mottaleb, et al.	382/209
	5	5918223		1999-06-29	Blum, et al.	707/1
	6	6363381		2002-03-26	Lee, et al.	707/6
	7	6584465		2003-06-24	Zhu, et al.	707/6
AD	8	6687416		2004-02-03	Wang	382/278

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10628751
Filing Date		2003-07-28
First Named Inventor	Ramarathnam Venkatesan	
Art Unit	2824	
Examiner Name		
Attorney Docket Number	MS1-422USC1	

AD	9	6751343		2004-06-15	Ferrell, et al.	382/145
	10	6754675		2004-06-22	Abdel-Mottaleb, et al.	707/104.1
	11	6762361		2004-08-24	El-Maleh, et al.	704/925
AD	12	6990453		2006-01-24	Wang, et al.	704/270

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**U.S. PATENT APPLICATION PUBLICATIONS**

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
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**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup>	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
AD	1	JP2000149004			2000-05-30	Matsushita Electric Ind Co LTD	606T 003/40	<input type="checkbox"/>
AD	2	JP2000261655			2000-09-22	Canon KK	1104N 001/387	<input type="checkbox"/>

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Application Number	10628751
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AD	3	JP2000332988		2000-11-30	Matsushita Electric Ind Co LTD	H04N 00/387	<input type="checkbox"/>
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AD	1	Chang, et al., "A Spatial Match Representation Scheme for Indexing and Querying in Iconic Image Databases", ACM, available at <<http://portal.acm.org/citation.cfm?id=266890&coll=ACM&dl=ACM&CFID=68519948&CFTOKEN=85922645>>, 1997, pp. 169-176.	<input type="checkbox"/>
	2	El-Kwae, et al., "Efficient Content-Based Indexing of Large Image Databases", ACM, available at <<http://portal.acm.org/citation.cfm?id=348762&coll=ACM&dl=ACM&CFID=68519948&CFTOKEN=85922645>>, April 2000, pp. 171-210.	<input type="checkbox"/>
	3	Lambrou, et al., "Classification of Audio Signals Using Statistical Features on Time and Wavelet Transform Domains", Acoustics, Speech and Signal Processing, 1998. Proceedings of the 1998 IEEE International Conference on Seattle, Wa, May 12-15, 1998. NEW YORK, NY, USA, IEEE, US, vol. 6, pp. 3621-3624.	<input type="checkbox"/>
	4	Moreno, et al., "Using the Fisher Kernel Method for Web Audio Classification", Acoustics, Speech and Signal Processing, 2000. ICASSP '00. Proceedings, 2000 IEEE International Conference on June 5-9, 2000, PISCATAWAY, NJ, USA, IEEE, vol. 6, pp. 2417-2420.	<input type="checkbox"/>
AD	5	Pye, D., "Content-Based Methods for the Management of Digital Music", Acoustics, Speech and Signal Processing, 2000. ICASSP '00. Proceedings, 2000 IEEE International Conference on June 5-9, 2000, PISCATAWAY, NJ, USA, IEEE, vol. 6, pp. 2437-2440.	<input type="checkbox"/>

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Examiner Name	
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AD		Cox, et al, "A secure robust watermark for multimedia," Information Hiding Workshop, University of Cambridge, pp. 185-206, 1996.	
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Examiner Signature	<i>Alan D.</i>	Date Considered	7/19/03
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Sheet 1 of 2

**Complete if Known**

Application Number	10/628,751
Filing Date	7/28/2003
First Named Inventor	Ramarathnam Venkates
Art Unit	2624
Examiner Name	
Attorney Docket Number	MS1 0422USC1

## U. S. PATENT DOCUMENTS

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**FOREIGN PATENT DOCUMENTS**

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